

Agenda for Wood Pallet Design & Performance Short Course

November 9-11, 2021

Day 1 – Tuesday, November 9, 2021

8:00a.m. – 8:45a.m.

Introductions
History of PDS development (Brad)

8:45a.m.– 10:30a.m.

Pallet classifications (Laszlo)
Warehouse storage and material handling systems (Laszlo)

10:30a.m. – 10:45a.m.

Coffee Break

10:45a.m. – 11:15a.m.

Pallet fasteners (Laszlo)

11:15a.m. – 12:00p.m.

Fundamentals of new and remanufactured stringer class pallet design (Brad)

12:00p.m. - 1:30p.m.

Lunch

1:30p.m. – 2:30p.m.

Fundamentals or block class pallet design (Brad)

2:30p.m. – 3:30p.m.

Pallet manufacturing and repair (Laszlo)

3:30p.m. – 3:45p.m.

Break

3:45p.m. – 5:00p.m.

Effect of pallet support conditions (Laszlo)

Day 2 – Wednesday, November 10, 2021

8:00a.m. – 10:00a.m.

Effect of wood on pallet performance (Laszlo)

Wood structure, mechanical properties, moisture, iron stain, corrosion, mold, insects

10:00a.m. - 10:15a.m.

Coffee Break

10:15a.m.-12:00p.m.

PDS Case studies (Brad & Kristen)

12:00p.m. - 1:30p.m.

Lunch

1:30p.m. – 2:30p.m.

Effect of pallet loading conditions and the principles of load bridging (Laszlo)

Effect of corrugated box characteristics on pallet load capacity (Laszlo & Kristen)

Sheet goods analysis

2:30p.m. – 3:30p.m.

Practice Session on pallet optimization using load bridging (Brad & Kristen)

3:30p.m. – 3:45p.m.

Coffee Break

3:45p.m. – 5:00p.m.

Demonstrations in the William Sardo Jr. Pallet Lab (Laszlo)

Day 3 – Thursday, November 11, 2021

8:00a.m. – 10:00a.m.

Principles of corrugated box design and performance (Laszlo)

Material, structure, styles, manufacturing, compression strength

10:00a.m. - 10:15a.m.

Coffee Break

10:15a.m. – 11:15a.m.

Practice session on corrugated box performance optimization using the pallet (Kristen & Brad)

11:15p.m. - 12:00p.m.

Future of unit load design (Brad, Laszlo, & Kristen)